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Sequence Listing was accepted.

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Reviewer: markspencer

Timestamp: [year=2008; month=7; day=28; hr=9; min=40; sec=6; ms=230;]

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Application No: 10516317 Version No: 2.0

Input Set:

Output Set:

Started: 2008-07-25 21:38:45.411
Finished: 2008-07-25 21:38:47.803
Elapsed: 0 hr(s) 0 min(s) 2 sec(s) 392 ms
Total Warnings: 22
Total Errors: 0
No. of SeqIDs Defined: 22
Actual SeqID Count: 22

Error code	Error Description
W 402	Undefined organism found in <213> in SEQ ID (1)
W 402	Undefined organism found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 402	Undefined organism found in <213> in SEQ ID (11)
W 402	Undefined organism found in <213> in SEQ ID (12)
W 402	Undefined organism found in <213> in SEQ ID (13)
W 402	Undefined organism found in <213> in SEQ ID (14)
W 402	Undefined organism found in <213> in SEQ ID (15)
W 402	Undefined organism found in <213> in SEQ ID (16)
W 402	Undefined organism found in <213> in SEQ ID (17)
W 402	Undefined organism found in <213> in SEQ ID (18)
W 402	Undefined organism found in <213> in SEQ ID (19)
W 402	Undefined organism found in <213> in SEQ ID (20)

Input Set:

Output Set:

Started: 2008-07-25 21:38:45.411
Finished: 2008-07-25 21:38:47.803
Elapsed: 0 hr(s) 0 min(s) 2 sec(s) 392 ms
Total Warnings: 22
Total Errors: 0
No. of SeqIDs Defined: 22
Actual SeqID Count: 22

Error code	Error Description
W 402	Undefined organism found in <213> in SEQ ID (21)
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KARASAWA, SATOSHI

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<130> P26359

<140> 10516317

<141> 2005-09-26

<150> PCT/JP03/07336

<151> 2003-06-10

<150> JP 2002-168583

<151> 2002-06-10

<160> 22

<170> PatentIn version 3.3

<210> 1

<211> 232

<212> PRT

<213> Cnidopus japonicus

<400> 1

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Lys	Pro	Tyr	Glu	Gly	Thr	Gln	Met	Glu	Asn	Ile	Lys	Val	Thr	Lys	Gly
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Gly	Ser	Val	Ala	Ile	Thr	Lys	Tyr	Thr	Ser	Gly	Ile	Pro	Asp	Tyr	Phe
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Lys	Gln	Ser	Phe	Pro	Glu	Gly	Phe	Thr	Trp	Glu	Arg	Thr	Thr	Ile	Tyr
			85						90					95	

Glu	Asp	Gly	Ala	Tyr	Leu	Thr	Thr	Gln	Gln	Glu	Thr	Lys	Leu	Asp	Gly
		100						105					110		

Asn	Cys	Leu	Val	Tyr	Asn	Ile	Lys	Ile	Leu	Gly	Cys	Asn	Phe	Pro	Pro
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Asn	Gly	Pro	Val	Met	Gln	Lys	Lys	Thr	Gln	Gly	Trp	Glu	Pro	Cys	Cys
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Glu Met Arg Tyr Thr Arg Asp Gly Val Leu Cys Gly Gln Thr Leu Met
145 150 155 160

Ala Leu Lys Cys Ala Asp Gly Asn His Leu Thr Cys His Leu Arg Thr
165 170 175

Thr Tyr Arg Ser Lys Lys Ala Ala Lys Ala Leu Gln Met Pro Pro Phe
180 185 190

His Phe Ser Asp His Arg Pro Glu Ile Val Lys Val Ser Glu Asn Gly
195 200 205

Thr Leu Phe Glu Gln His Glu Ser Ser Val Ala Arg Tyr Cys Gln Thr
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Cys Pro Ser Lys Leu Gly His Asn
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<211> 699

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<222> (1)..(696)

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ggc aca gtc aac aat cat cac ttc atg tgc gaa gct gaa gga gag ggc 96
Gly Thr Val Asn Asn His His Phe Met Cys Glu Ala Glu Gly Glu Gly
20 25 30

aag cca tac gag gga act caa atg gag aac ata aaa gtc acc aaa gga 144
Lys Pro Tyr Glu Gly Thr Gln Met Glu Asn Ile Lys Val Thr Lys Gly
35 40 45

ggc cct ctg ccg ttc tct ttt gat atc ttg acg cct aac tgc caa tat 192
Gly Pro Leu Pro Phe Ser Phe Asp Ile Leu Thr Pro Asn Cys Gln Tyr
50 55 60

gga agc gta gcc ata acc aag tat aca tca ggg att cca gac tac ttt 240
Gly Ser Val Ala Ile Thr Lys Tyr Thr Ser Gly Ile Pro Asp Tyr Phe
65 70 75 80

aag caa tct ttt cct gaa gga ttt acc tgg gaa aga acc aca atc tac 288
Lys Gln Ser Phe Pro Glu Gly Phe Thr Trp Glu Arg Thr Thr Ile Tyr
85 90 95

gaa gat ggg gct tac ctt aca act caa caa gaa acc aaa ctt gat gga 336
Glu Asp Gly Ala Tyr Leu Thr Thr Gln Gln Glu Thr Lys Leu Asp Gly
100 105 110

aat tgc ctc gtc tac aat att aaa atc ctt gga tgt aat ttt ccc ccc	384
Asn Cys Leu Val Tyr Asn Ile Lys Ile Leu Gly Cys Asn Phe Pro Pro	
115 120 125	
aat ggt cct gtg atg cag aag aaa acc caa ggc tgg gaa ccc tgt tgc	432
Asn Gly Pro Val Met Gln Lys Lys Thr Gln Gly Trp Glu Pro Cys Cys	
130 135 140	
gag atg cgc tat aca cgt gat ggt gtg cta tgt ggc caa aca tta atg	480
Glu Met Arg Tyr Thr Arg Asp Gly Val Leu Cys Gly Gln Thr Leu Met	
145 150 155 160	
gca ctt aaa tgc gcc gat ggg aac cac ctc act tgc cat ctg aga act	528
Ala Leu Lys Cys Ala Asp Gly Asn His Leu Thr Cys His Leu Arg Thr	
165 170 175	
act tac agg tcc aaa aag gca gca aag gcg ttg cag atg cca ccc ttc	576
Thr Tyr Arg Ser Lys Lys Ala Ala Lys Ala Leu Gln Met Pro Pro Phe	
180 185 190	
cat ttt tca gac cat cgt cct gaa ata gtg aag gtt tca gag aac ggc	624
His Phe Ser Asp His Arg Pro Glu Ile Val Lys Val Ser Glu Asn Gly	
195 200 205	
aca cta ttt gaa cag cac gaa agt tca gtg gcc agg tac tgt caa aca	672
Thr Leu Phe Glu Gln His Glu Ser Ser Val Ala Arg Tyr Cys Gln Thr	
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<211> 17

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<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic primer

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<221> modified_base

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<223> inosine

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<222> (6)..(6)

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<211> 44

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<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
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<211> 36

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<223> Description of Artificial Sequence: Synthetic
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<222> (24)..(25)

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<222> (29)..(30)

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<400> 5

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<210> 6
 <211> 22
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 <213> Artificial Sequence

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 <223> Description of Artificial Sequence: Synthetic
 primer

 <400> 6
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<210> 7
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 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
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 <400> 7
 ggccacgcgt cgactagtag 20

<210> 8
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 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: Synthetic
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 <400> 8
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<210> 9
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 <220>
 <223> Description of Artificial Sequence: Synthetic
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 <400> 9
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<223> Description of Artificial Sequence: Synthetic
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<400> 10

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<210> 11

<211> 232

<212> PRT

<213> Chidopus japonicus

<400> 11

Met Ala Ser Lys Ile Ser Asp Asn Val Arg Ile Lys Leu Tyr Met Glu
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Gly Thr Val Asn Asn His His Phe Met Cys Glu Ala Glu Gly Glu Gly
20 25 30

Lys Pro Tyr Glu Gly Thr Gln Met Glu Asn Ile Lys Val Thr Lys Gly
35 40 45

Gly Pro Leu Pro Phe Ser Phe Asp Ile Leu Thr Pro Asn Cys Gln Leu
50 55 60

Gly Ser Val Ala Ile Thr Lys Tyr Thr Ser Gly Ile Pro Asp Tyr Phe
65 70 75 80

Lys Gln Ser Phe Pro Glu Gly Phe Thr Trp Glu Arg Thr Thr Ile Tyr
85 90 95

Glu Asp Gly Ala Tyr Leu Thr Thr Gln Gln Glu Thr Lys Leu Asp Gly
100 105 110

Asn Cys Leu Val Tyr Asn Ile Lys Ile Leu Gly Cys Asn Phe Pro Pro
115 120 125

Asn Gly Pro Val Met Gln Lys Lys Thr Gln Gly Trp Glu Pro Cys Cys
130 135 140

Glu Met Arg Tyr Thr Arg Asp Gly Val Leu Cys Gly Gln Thr Leu Met
145 150 155 160

Ala Leu Lys Cys Ala Asp Gly Asn His Leu Thr Cys His Leu Arg Thr
165 170 175

Thr Tyr Arg Ser Lys Lys Ala Ala Lys Ala Leu Gln Met Pro Pro Phe
180 185 190

His Phe Ser Asp His Arg Pro Glu Ile Val Lys Val Ser Glu Asn Gly
195 200 205

Thr Leu Phe Glu Gln His Glu Ser Ser Val Ala Arg Tyr Cys Gln Thr
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Cys Pro Ser Lys Leu Gly His Asn
225 230

<210> 12

<211> 699

<212> DNA

<213> Cnidopus japonicus

<220>

<221> CDS

<222> (1)..(696)

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ggc aca gtc aac aat cat cac ttc atg tgc gaa gct gaa gga gag ggc 96
Gly Thr Val Asn Asn His His Phe Met Cys Glu Ala Glu Gly Glu Gly
20 25 30

aag cca tac gag gga act caa atg gag aac ata aaa gtc acc aaa gga 144
Lys Pro Tyr Glu Gly Thr Gln Met Glu Asn Ile Lys Val Thr Lys Gly
35 40 45

ggc cct ctg ccg ttc tct ttt gat atc ttg acg cct aac tgc caa ctt 192
Gly Pro Leu Pro Phe Ser Phe Asp Ile Leu Thr Pro Asn Cys Gln Leu
50 55 60

gga agc gta gcc ata acc aag tat aca tca ggg att cca gac tac ttt 240
Gly Ser Val Ala Ile Thr Lys Tyr Thr Ser Gly Ile Pro Asp Tyr Phe
65 70 75 80

aag caa tct ttt cct gaa gga ttt acc tgg gaa aga acc aca atc tac 288
Lys Gln Ser Phe Pro Glu Gly Phe Thr Trp Glu Arg Thr Thr Ile Tyr
85 90 95

gaa gat ggg gct tac ctt aca act caa caa gaa acc aaa ctt gat gga 336
Glu Asp Gly Ala Tyr Leu Thr Thr Gln Glu Thr Lys Leu Asp Gly
100 105 110

aat tgc ctc gtc tac aat att aaa atc ctt gga tgt aat ttt ccc ccc 384
Asn Cys Leu Val Tyr Asn Ile Lys Ile Leu Gly Cys Asn Phe Pro Pro
115 120 125

aat ggt cct gtg atg cag aag aaa acc caa ggc tgg gaa ccc tgt tgc 432
Asn Gly Pro Val Met Gln Lys Lys Thr Gln Gly Trp Glu Pro Cys Cys
130 135 140

gag atg cgc tat aca cgt gat ggt gtg cta tgt ggc caa aca tta atg 480
Glu Met Arg Tyr Thr Arg Asp Gly Val Leu Cys Gly Gln Thr Leu Met
145 150 155 160

gca ctt aaa tgc gcc gat ggg aac cac ctc act tgc cat ctg aga act 528
Ala Leu Lys Cys Ala Asp Gly Asn His Leu Thr Cys His Leu Arg Thr
165 170 175

act tac agg tcc aaa aag gca gca aag gcg ttg cag atg cca ccc ttc 576
 Thr Tyr Arg Ser Lys Lys Ala Ala Lys Ala Leu Gln Met Pro Pro Phe
 180 185 190

cat ttt tca gac cat cgt cct gaa ata gtg aag gtt tca gag aac ggc 624
 His Phe Ser Asp His Arg Pro Glu Ile Val Lys Val Ser Glu Asn Gly
 195 200 205

aca cta ttt gaa cag cac gaa agt tca gtg gcc agg tac tgt caa aca 672
 Thr Leu Phe Glu Gln His Glu Ser Ser Val Ala Arg Tyr Cys Gln Thr
 210 215 220

tgc cca tct aaa ctt ggt cac aat taa 699
 Cys Pro Ser Lys Leu Gly His Asn
 225 230

<210> 13
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 <213> Chidopus japonicus

<400> 13
 Met Ala Ser Lys Ile Ser Asp Asn Val Arg Ile Lys Leu Tyr Met Glu
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Gly Thr Val Asn Asn His His Phe Met Cys Glu Ala Glu Gly Glu Gly
 20 25 30

Lys Pro Tyr Glu Gly Thr Gln Met Glu Asn Ile Lys Val Thr Lys Gly
 35 40 45

Gly Pro Leu Pro Phe Ser Phe Asp Ile Leu Thr Pro Asn Cys Gln Met
 50 55 60

Gly Ser Val Ala Ile Thr Lys Tyr Thr Ser Gly Ile Pro Asp Tyr Phe
 65 70 75 80

Lys Gln Ser Phe Pro Glu Gly Phe Thr Trp Glu Arg Thr Thr Ile Tyr
 85 90 95

Glu Asp Gly Ala Tyr Leu Thr Thr Gln Gln Glu Thr Lys Leu Asp Gly
 100 105 110

Asn Cys Leu Val Tyr Asn Ile Lys Ile Leu Gly Cys Asn Phe Pro Pro
 115 120 125

Asn Gly Pro Val Met Gln Lys Lys Thr Gln Gly Trp Glu Pro Cys Cys
 130 135 140

Glu Met Arg Tyr Thr Arg Asp Gly Val Leu Cys Gly Gln Thr Leu Met
 145 150 155 160

Ala Leu Lys Cys Ala Asp Gly Asn His Leu Thr Cys His Leu Arg Thr
 165 170 175

Thr Tyr Arg Ser Lys Lys Ala Ala Lys Ala Leu Gln Met Pro Pro Phe
180 185 190

His Phe Ser Asp His Arg Pro Glu Ile Val Lys Val Ser Glu Asn Gly
195 200 205

Thr Leu Phe Glu Gln His Glu Ser Ser Val Ala Arg Tyr Cys Gln Thr
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Cys Pro Ser Lys Leu Gly His Asn
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<210> 14

<211> 699

<212> DNA

<213> Cnidopus japonicus

<220>

<221> CDS

<222> (1)..(696)

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Gly Thr Val Asn Asn His His Phe Met Cys Glu Ala Glu Gly Glu Gly
20 25 30

aag cca tac gag gga act caa atg gag aac ata aaa gtc acc aaa gga 144
Lys Pro Tyr Glu Gly Thr Gln Met Glu Asn Ile Lys Val Thr Lys Gly
35 40 45

ggc cct ctg ccg ttc tct ttt gat atc ttg acg cct aac tgc caa atg 192
Gly Pro Leu Pro Phe Ser Phe Asp Ile Leu Thr Pro Asn Cys Gln Met
50 55 60

gga agc gta gcc ata acc aag tat aca tca ggg att cca gac tac ttt 240
Gly Ser Val Ala Ile Thr Lys Tyr Thr Ser Gly Ile Pro Asp Tyr Phe
65 70 75 80

aag caa tct ttt cct gaa gga ttt acc tgg gaa aga acc aca atc tac 288
Lys Gln Ser Phe Pro Glu Gly Phe Thr Trp Glu Arg Thr Thr Ile Tyr
85 90 95

gaa gat ggg gct tac ctt aca act caa caa gaa acc aaa ctt gat gga 336
Glu Asp Gly Ala Tyr Leu Thr Thr Gln Gln Glu Thr Lys Leu Asp Gly
100 105 110

aat tgc ctc gtc tac aat att aaa atc ctt gga tgt aat ttt ccc ccc 384
Asn Cys Leu Val Tyr Asn Ile Lys Ile Leu Gly Cys Asn Phe Pro Pro
115 120 125

aat ggt cct gtg atg cag aag aaa acc caa ggc tgg gaa ccc tgt tgc 432
Asn Gly Pro Val Met Gln Lys Lys Thr Gln Gly Trp Glu Pro Cys Cys
130 135 140

gag atg cgc tat aca cgt gat ggt gtg cta tgt ggc caa aca tta atg	480
Glu Met Arg Tyr Thr Arg Asp Gly Val Leu Cys Gly Gln Thr Leu Met	
145	150
	155
	160
gca ctt aaa tgc gcc gat ggg aac cac ctc act tgc cat ctg aga act	528
Ala Leu Lys Cys Ala Asp Gly Asn His Leu Thr Cys His Leu Arg Thr	
165	170
	175
act tac agg tcc aaa aag gca gca aag gcg ttg cag atg cca ccc ttc	576
Thr Tyr Arg Ser Lys Lys Ala Ala Lys Ala Leu Gln M	